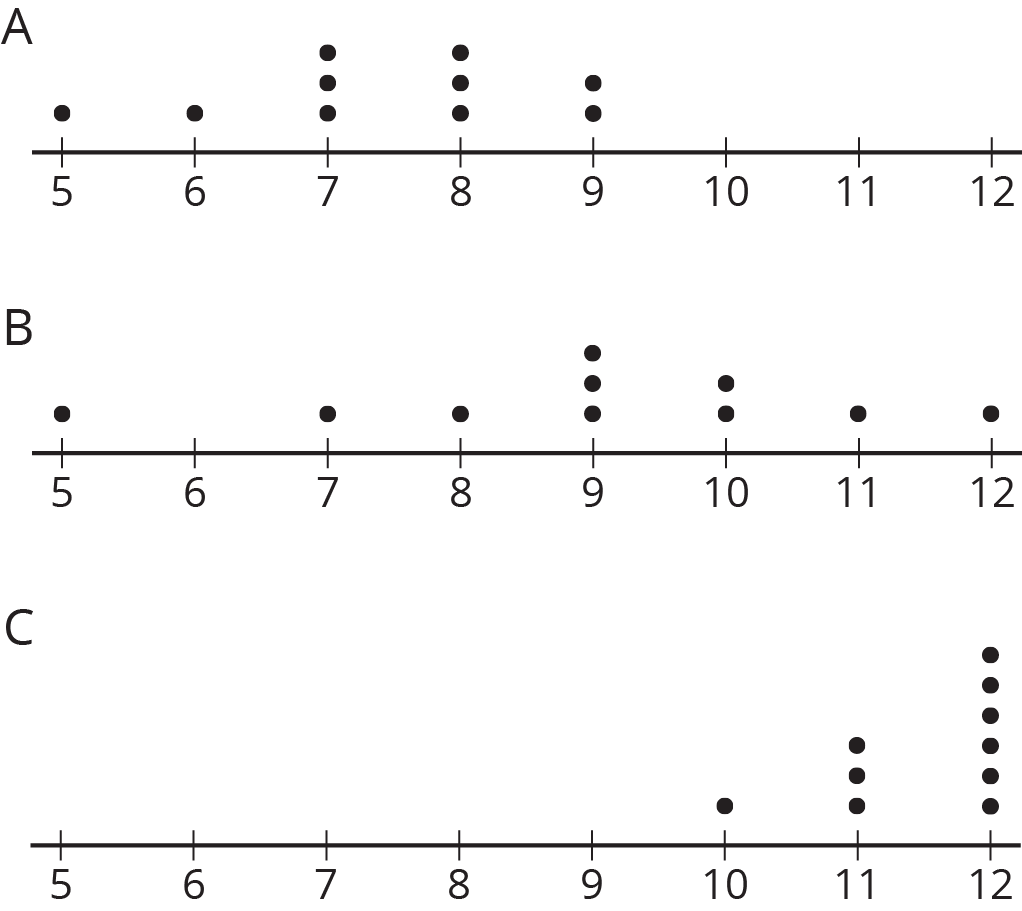
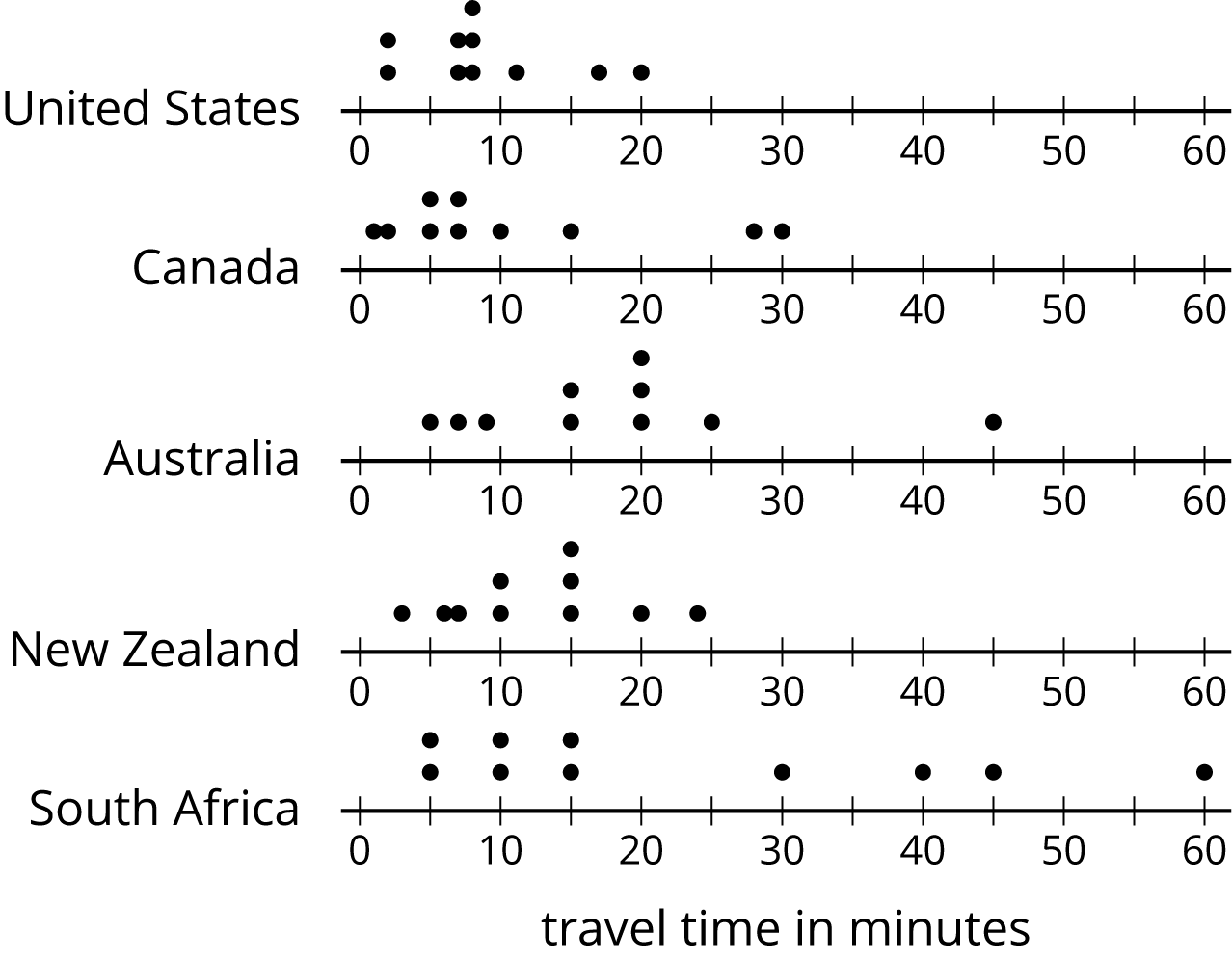
## Unit 8 Lesson 5 Cumulative Practice Problems

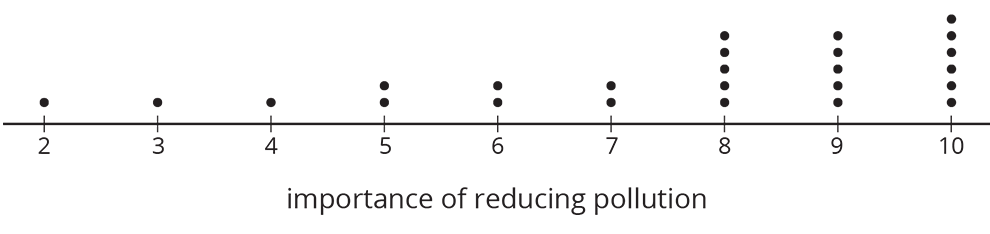
1. Three sets of data about ten sixth-grade students were used to make three dot plots. The person who made these dot plots forgot to label them. Match each dot plot with the appropriate label.

* 
  1. Dot Plot A
  2. Dot Plot B
  3. Dot Plot C
  4. Ages in years
  5. Numbers of hours of sleep on nights before school days
  6. Numbers of hours of sleep on nights before non-school days

1. The dot plots show the time it takes to get to school for ten sixth-grade students from the United States, Canada, Australia, New Zealand, and South Africa.

* 
  1. List the countries in order of *typical travel times*, from shortest to longest.
  2. List the countries in order of *variability in travel times*, from the least variability to the greatest.

1. Twenty-five students were asked to rate—on a scale of 0 to 10—how important it is to reduce pollution. A rating of 0 means “not at all important” and a rating of 10 means “very important.” Here is a dot plot of their responses.

* 
* Explain why a rating of 6 is *not* a good description of the center of this data set.

1. Tyler wants to buy some cherries at the farmer’s market. He has $10 and cherries cost $4 per pound.
   1. If is the number of pounds of cherries that Tyler can buy, write one or more inequalities or equations describing .
   2. Can 2 be a value of ? Can 3 be a value of ? What about -1? Explain your reasoning.
   3. If is the amount of money, in dollars, Tyler can spend, write one or more inequalities or equations describing .
   4. Can 8 be a value of ? Can 2 be a value of ? What about 10.5? Explain your reasoning.

* (From Unit 7, Lesson 10.)



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